

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/09/00
Date Received: 03/02/00
Project: Metro Self Monitor, PO #M63671
Date Extracted: 03/03/00
Date Analyzed: 03/06/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M63671 003014-01	0.45	0.69	0.63	0.20
Method Blank	<0.05	<0.05	<0.05	<0.05

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/09/00

Date Received: 03/02/00

Project: Metro Self Monitor, PO #M63671

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 003014-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.45	0.42	7	0-20
Copper	mg/L (ppm)	0.69	0.68	2	0-20
Nickel	mg/L (ppm)	0.63	0.60	5	0-20
Zinc	mg/L (ppm)	0.20	0.18	11	0-20

Laboratory Code: 002103-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.45	91	91	80-120	0
Copper	mg/L (ppm)	5	0.69	89	84	80-120	6
Nickel	mg/L (ppm)	10	0.63	90	92	80-120	2
Zinc	mg/L (ppm)	5	0.20	92	93	80-120	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	99	100	80-120	1
Copper	mg/L (ppm)	5	94	94	80-120	0
Nickel	mg/L (ppm)	10	100	101	80-120	1
Zinc	mg/L (ppm)	5	104	105	80-120	1

CS 3/2/00 AI,

CS 3/2/00 AI,

003014

Send Report To:

Company Alaska Copper Works Contact David A. Thompson
Address 628 E. 4th St
City, State, Zip Seattle WA 98134
Phone # 206-382-8379 FAX # 206-382-4709 Date 3/2/00

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7258	metro Self man. Jox.	m63671
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SAMPLERS (signature)

PROJECT LOCATION

	3200 64th Ave S.
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REMARKS

SAMPLE DISPOSAL INFORMATION

<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions
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[illegible]



SIGNATURE

PRINT NAME

COMPANY

Date _____

Time

Relinquished by: 	Richard A. Thompson	ACW	3/2/00	1:32pm
Received by: 	Scott A. Callaghan	FBI	3/2/00	1:32pm
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 9, 2000

DUPLICATE COPY

INVOICE #00ACU0309-4

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO #M63671 - Results of testing requested by
Gerry Thompson for material submitted on March 2, 2000.

1 sample analyzed for Total Chromium,
Copper, Nickel, and Zinc
by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID #(b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
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March 9, 2000

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

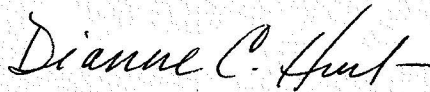
Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 2, 2000 from your Metro Self Monitor, PO #M63671 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Dianne C. Hurt
Project Manager

Enclosures
ACU0309R.DOC